



*John*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: LIU, Zhen et al.

Application No.: 10/800,305

Group Art Unit: To Be Assigned

Filed: March 13, 2004

Examiner: To Be Assigned

For:

Atty Docket No.: YOR920040072US1

METHODS AND APPARATUS FOR  
CONTENT DELIVERY VIA APPLICATION  
LEVEL MULTICAST WITH MINIMUM  
COMMUNICATION DELAY

**INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. §§ 1.56 & 1.97(b)(1)**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure provisions of C.F.R. § 1.56, Applicants hereby submit and bring to the Examiner's attention the 21 references listed on the three enclosed substitute for form 1449/PTO. Copies of all of the cited references are enclosed. It is requested that the Examiner make this information of record in the case by initialling each reference, signing and dating each sheet and returning a copy of the signed sheets to the applicants.

Since this Information Disclosure Statement is being filed under 37 C.F.R. §1.97(b)(1) within three months of the U.S. patent application filing date, no fee is believed due.

Respectfully submitted,

Dated: May 13, 2004

*George A. Willingham, III*  
George A. Willingham, III (Reg. No. 41,377)  
Attorney for Applicants  
3201 New Mexico Avenue, N.W., Suite 350  
Washington, D.C. 20016  
202-895-1394 (telephone)

CERTIFICATION UNDER 37 C.F.R. 1.8(a)

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in the envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on MAY 13, 2004.

George A. Willingham, III  
(Name)

*George A. Willingham, III*  
(Signature)

41,377 May 13, 2004  
(Reg. No.) (Date of Signature)



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Substitute for form 1449/PTO</b>		<b>Complete if Known</b>	
		Application Number		10/800,305	
		Filing Date		March 13, 2004	
		First Named Inventor		LIU, Zhen	
		Art Unit		TO BE ASSIGNED	
		Examiner Name		TO BE ASSIGNED	
Sheet	1	of	3	Attorney Docket Number	YOR920040072US1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/JM/		Akamai Corporation. Internet Bottlenecks: The Case for Edge Delivery Services, 2000. Akamai whitepaper.	
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/JM/		Y. Chu, S. Rao, S. Seshan, and H. Zhang. Enabling Conferencing Applications on the Internet Using an Overlay Multicast Architecture. August 2001.	
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/JM/		P. Francis, Yoid: Extending the Internet Multicast Architecture, <a href="http://www.icir.org/yoid/docs/yoidArch.ps.gz">http://www.icir.org/yoid/docs/yoidArch.ps.gz</a> (April 2000).	
/JM/		J. Jannotti, D. Gifford, K. Johnson, M. Kaashoek, and J. O'Toole, Overcast: Reliable Multicasting with an Overlay Network, October 2000.	
/JM/		J. Liebeherr and M. Nahas. "Application-layer Multicast with Delaunay Triangulations", Global Internet Symposium, IEEE Globecom 2001, November 2001	

Examiner Signature	/Jason Mattis/	Date Considered	04/03/2008
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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/JM/		N. M. Malouch, Z. Liu, D. Rubenstein and S. Sahu. "A Graph Theoretic Approach to Bounding Delay in Proxy-Assisted, End-System Multicast", (IWQoS 2002).	
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/JM/		S. Shi, J. S. Turner. "Routing in Overlay Multicast Networks", IEEE INFOCOM, New York City, June 2002.	
/JM/		S. Shi, J. S. Turner and M. Waldvogel. "Dimensioning Server Access Bandwidth and Multicast Routing in Overlay Networks", (NOSSDAV 2001), Port Jefferson, New York, June, 2001.	
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/JM/		Z. Wang and J. Crowcroft. Bandwidth-delay Based Routing Algorithms. In IEEE Globecom'95, November 1995.	
/JM/		B. Zhang, S. Jamin, L. Zhang, Host Multicast: A Framework for Delivering Multicast To End Users, in Proceedings of IEEE Infocom (2002).	

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Sheet 3 of 3

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/JM/		J. Liebeherr and M. Nahas. "Application-layer Multicast with Delaunay Triangulation Overlays".	

Examiner  
Signature

/Jason Mattis/

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